

AMENDMENTS TO THE CLAIMS

This listing of claims supersedes all prior versions and listings of claims in this application:

LISTING OF CLAIMS:

Claim 1. (currently amended): A demountable reel (1), comprising a hollow cylindrical central body (2), divided in two equal semi-cylindrical halves (3) by a diametral plane, and two essentially flat discs (4), of greater diameter and equipped with central openings (14), arranged on the bases of the hollow cylindrical central body, characterized in that the semi-cylindrical halves are equipped, on rims of their bases (5), with flanges (6) projected ~~at least one of transversally inwards and transversally outwards~~ from the semi-cylindrical halves, and in that each disc is equipped, on its inner face (8), with an annular groove (7), which defines a discontinuous guide rail (9) adapted to removably receive the flanges of one of the ends of the semi-cylindrical halves of the hollow cylindrical central body, at least one of the guide rail and the flanges of the semi-cylindrical halves having segments with a cross section that varies over a length thereof, causing, when the hollow cylindrical central body is rotated in relation to the discs ~~in a movement similar to winding~~, that the clearance between the flanges and walls of the guide rail which house the flanges is reduced until it disappears, all the flanges being simultaneously wedged to the guide rail, and rotating said central body in the opposite direction separating the discs.

Claim 2. (previously presented): The demountable reel (1) according to claim 1, characterized in that the section of each one of the flanges (6) of the semi-cylindrical halves is homogenous and in that the section of each segment of the guide rails (9) of the disc (4) progressively decreases.

Claim 3. (previously presented): The demountable reel (1) according to claim 1, characterized in that the section of the guide rails (9) is homogenous and in that the section of each one of the flanges (6) of the semi-cylindrical halves progressively increases.

Claim 4. (previously presented): The demountable reel (1) according to claim 1, characterized in that each one of the flanges (6) of the semi-cylindrical halves progressively increases and in that the section of each segment of the guide rails (9) of the discs (4) progressively decreases.

Claim 5. (previously presented): The demountable reel (1) according to claim 1, characterized in that an interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

Claim 6. (previously presented): The demountable reel (1) according to claim 1, characterized in that the flanges (6) of the semi-cylindrical halves (3) of the hollow cylindrical central body, have an essentially triangular section and because the guide rail (9) has an essentially tapered section corresponding to that of the flanges.

Claim 7. (previously presented): The demountable reel (1) according to claim 1, characterized in that the semi-cylindrical halves (3) are equipped at their circumferential ends (5) with quadrangular indentations (12), arranged between the different segments of the flanges (6) of the semi-cylindrical halves, and of a rail (13) on its surface, arranged adjacent to the flanges.

Claim 8. (previously presented): The demountable reel (1) according to claim 2, characterized in that the interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

Claim 9. (previously presented): The demountable reel (1) according to claim 4, characterized in that the interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

AMENDMENT UNDER 37 C.F.R. §1.116
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Claims 10-20. (canceled).

Claim 21. (new): The demountable reel according to claim 1, wherein the flanges project transversally outwards from the semi-cylindrical halves.